SEQUENCE LISTING

- <110> Schon, Eric A. Ojaimi, Joseline
- <120> METHODS FOR XENOTOPIC EXPRESSION OF NUCLEUS-ENCODED PLANT AND PROTIST PEPTIDES AND USES THEREOF
- <130> 5199/23
- <160> 7
- <170> PatentIn version 3.1
- <210> 1
- <211> 340
- <212> PRT
- <213> Chlamydomonas reinhardtii
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- Val Tyr Ala Gln Ala Phe Ser Thr Ser Ser Gln Glu Glu Gln Ala Ala 50
- Pro Ser Ile Gln Gly Ala Ser Gly Met Lys Leu Pro Gly Met Ala Gly 80
- Ser Met Leu Leu Gly Lys Ser Arg Ser Gly Leu Arg Thr Gly Ser Met 90 95
- Val Pro Phe Ala Ala Gln Gln Ala Met Asn Met Ser Thr Ala Ala Gln 100 105 110
- Val Gln Ser Gly Ala Thr Val Asn Ser Leu Leu Gly Ile Tyr Arg 115 120 125
- Phe Trp Arg Ser Gln Ala Pro Met Asp Lys Pro His Ala Pro Val Asp 130

Asp Arg Met Leu Pro Ala Ile Val Asp Ala Ser Asp Asn Arg Ala Ala 145 150 150

Leu Gly Thr Trp Ala Thr Ala Leu Phe Cys Thr Ile Leu Ala Ser Asn 165 170 175

Leu Leu Gly Leu Val Pro Thr Asn Glu Ala Pro Thr Ser Gly Leu Gly 180

Phe Ala Thr Gly Leu Gly Val Ser Val Trp Ala Thr Ala Thr Thr Leu 195 200 205

Gly Leu Tyr Lys Leu Gly Phe Ser Phe Pro Gly His Phe Ile Pro Gly 210 220

Gly Thr Pro Trp Pro Met Ala Phe Ile Phe Val Pro Leu Glu Thr Ile 235 230

Ser Tyr Thr Phe Arg Ala Val Ser Leu Gly Val Arg Leu Trp Val Asn 245 250 255

Met Leu Ala Gly His Thr Leu Leu His Ile Leu Thr Gly Met Ala Leu 260 265 270

Ala Leu Pro Phe Ser Leu Ser Phe Phe Ala Met Val Pro Ala Thr Phe 275 280 285

Ala Val Ala Cys Leu Leu Ser Ala Leu Val Gly Leu Glu Tyr Leu Val 290 295 300

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Gly Glu Phe Asn Ser Val Lys Leu Ala Gly Pro Leu Ala Lys Val Val 325

Lys Lys Ala Leu 340

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Ile Phe Leu Ala Ile Gly Thr Ala Gly Leu Leu Phe His Phe Val Thr 35

Gln Asn Gly Gly Phe Leu Val Pro Ser Arg Trp Gln Ser Leu Val Glu 50

Met Ile Tyr Glu Phe Val Arg Ser Leu Ile Gln Glu Gln Ile Gly Ala 70 75 80

Lys Gly Arg Lys Tyr Phe Pro Leu Val Phe Thr Leu Phe Val Phe Leu 95

Leu Phe Thr Asn Leu Ile Gly Met Ile Pro Tyr Ser Phe Thr Ala Thr 100

Ser His Leu Ala Val Thr Phe Gly Leu Ser Leu Ser Leu Phe Ile Ala 115 120 125

Ile Thr Ile Ile Gly Phe Gln Val His Gly Leu His Phe Phe Ser Phe 130

Leu Leu Pro Lys Gly Ala Pro Leu Ile Leu Ala Pro Leu Leu Val Val 145 150 150

Leu Glu Leu Val Ser Tyr Ser Phe Arg Ala Ile Ser Leu Gly Val Arg 165 170 175

Leu Phe Ala Asn Met Met Ala Gly His Thr Leu Val Lys Ile Leu Ser 180 185 190

Gly Phe Ala Trp Thr Met Leu Ser Val Gly Gly Ile Leu Ser Val Ala 195 200 205

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Gly Ser Arg Trp Leu Ile Ser Gln Glu Ala Ile Tyr Asp Thr Ile Met 75 80

Asn Met Thr Lys Gly Gln Ile Gly Gly Lys Asn Trp Gly Leu Tyr Phe 85

Pro Met Ile Phe Thr Leu Phe Met Phe Ile Phe Ile Ala Asn Leu Ile 100 105 110

Ser Met Ile Pro Tyr Ser Phe Ala Leu Ser Ala His Leu Val Phe Ile 115 120 125

Ile Ser Leu Ser Ile Val Ile Trp Leu Gly Asn Thr Ile Leu Gly Leu 130

Tyr Lys His Gly Trp Val Phe Phe Ser Leu Phe Val Pro Ala Gly Thr 150

Pro Leu Pro Leu Val Pro Leu Leu Val Ile Ile Glu Thr Leu Ser Tyr 165 170 175

Phe Ala Arg Ala Ile Ser Leu Gly Leu Arg Leu Gly Ser Asn Ile Leu 180

Ala Gly His Leu Leu Met Val Ile Leu Ala Gly Leu Thr Phe Asn Phe 195 200 205

Met Leu Ile Asn Leu Phe Thr Leu Val Phe Gly Phe Val Pro Leu Ala 210

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Tyr Leu His

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Leu Ile Lys Leu Thr Ser Lys Gln Met Met Thr Met His Asn Thr Lys 50

Gly Arg Thr Trp Ser Leu Met Leu Val Ser Leu Ile Ile Phe Ile Ala 80

Thr Thr Asn Leu Leu Gly Leu Leu Pro His Ser Phe Thr Pro Thr Thr 95

Gln Leu Ser Met Asn Leu Ala Met Ala Ile Pro Leu Trp Ala Gly Thr 100 105 110

Val Ile Met Gly Phe Arg Ser Lys Ile Lys Asn Ala Leu Ala His Phe

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Leu Pro Gln Gly Thr Pro Thr Pro Leu Ile Pro Met Leu Val Ile Ile 130 135 140

Glu Thr Ile Ser Leu Leu Ile Gln Pro Met Ala Leu Ala Val Arg Leu 145 150 155 160

Thr Ala Asn Ile Thr Ala Gly His Leu Leu Met His Leu Ile Gly Ser 165 170 175

Ala Thr Leu Ala Met Ser Thr Ile Asn Leu Pro Ser Thr Leu Ile Ile 180 185 190

Phe Thr Ile Leu Ile Leu Leu Thr Ile Leu Glu Ile Ala Val Ala Leu 195 200 205

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Asn Thr 225

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<213> Chlamydomonas reinhardtii

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